

## PATENT ABSTRACTS OF JAPAN

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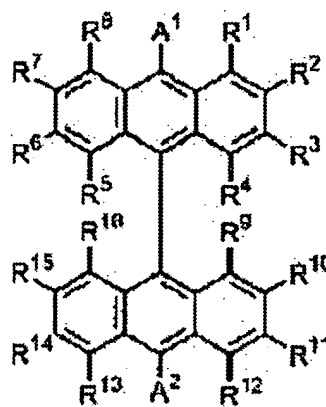
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(54) ORGANIC ELECTROLUMINESCENT ELEMENT MATERIAL AND ORGANIC ELECTROLUMINESCENT ELEMENT USING THE SAME

(57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an organic electroluminescent element having high luminous brightness and luminous efficiency and good stability to repeated use by using a specified luminescent material for the organic electroluminescent(EL) element.

**SOLUTION:** This luminescent material for an organic electroluminescent(EL) element is defined by the formula. In the formula, A<sup>1</sup>-A<sup>2</sup> independently an optionally substituted alkyl group, alkoxy group, aryloxy group, condensed polycyclic group, alkylamino group, and arylamino group. R<sup>1</sup>-R<sup>16</sup> are independently hydrogen, a halogen, cyano group, nitro group, an optionally substituted alkyl group, alkoxy group, aryloxy group, alkylthio group, arylthio group, cyclic group, and amino group. A compound where neighboring substituents of R<sup>1</sup>-R<sup>16</sup> form an aromatic ring, has high glass transition temperature and melting point and the heat resistance is improved, so when such a compound is used as a luminescent material for an organic electroluminescent element, high luminous brightness is obtained.



## LEGAL STATUS

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